

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Dong Weon Yoon  
SERIAL NO.: 10/501,384  
FILING DATE: July 13, 2004  
TITLE: Apparatus for Continuous Phase Quadrature Amplitude Modulation  
and Demodulation  
EXAMINER: Unassigned  
ART UNIT: Unassigned

**CERTIFICATE OF MAILING**

I hereby certify that this paper is being deposited with the United States Postal Service as First Class  
Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450,  
on the date printed below:

Date: 11-15-04

Name: \_\_\_\_\_

Carol Diez  
Carol Diez

COMMISSIONER FOR PATENTS  
P.O. Box 1450  
ALEXANDRIA, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Each item of information listed in the attached FORM PTO-1449, for which a copy of each is attached (unless the blanket waiver referred to below applies), may be material to the examination of the above-identified application and is, therefore, submitted in compliance with the duty of disclosure defined in 37 CFR §§ 1.56, 1.97 and 1.98. The Examiner is requested to review, consider and document each such item in the official record of this application.

Note: If this box ☒ is checked, this case was filed after June 30, 2003 and qualifies for the blanket waiver of deposit of copies of U.S. Patents and U.S. Patent Application

Publications in accordance with the written waiver of 37 CFR §1.98 (a)(2)(i) dated July 11, 2003. Accordingly, such copies are not attached.

This Information Disclosure Statement under 37 CFR §§ 1.56, 1.97 and 1.98 is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any one or more of these items constitutes prior art.

# I

This statement is filed pursuant to (**CHECK ONE BOX**):



## 37 C.F.R. § 1.97(b).

This information disclosure statement is filed either:

- (1) within three months of the filing date of a national application other than a continued prosecution application under §1.53(d);
- (2) within three months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application;
- (3) before the mailing date of a first office action on the merits; or
- (4) before the mailing of a first office action after the filing of a Request for Continued Examination under 37 C.F.R. §1.114, **whichever event occurs last.**

**Accordingly, this information disclosure statement requires no fee and no certification.**



## 37 C.F.R. § 1.97(c).

This information disclosure statement is filed **after** the period specified in 37 C.F.R. § 1.97(b), but **before** the mailing date of any of the following:

- (1) a final action under 37 C.F.R. § 1.113;
- (2) a notice of allowance under 37 C.F.R. § 1.311; or
- (3) an action that otherwise closes prosecution in the application.

**Accordingly, this information disclosure statement requires either:**

- (1) the fee specified in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under 37 C.F.R. § 1.97(c); or
- (2) a certification according to 37 C.F.R. § 1.97 (e)(1) or (2).



## 37 C.F.R. § 1.97(d).

This information disclosure statement is filed **after** the period specified in 37 C.F.R. § 1.97 (c).

**Accordingly, this information disclosure statement requires:**

- (1) a certification in accordance with 37 C.F.R. § 1.97(e); and
- (2) the fee specified in 37 C.F.R. § 1.17 (p) to consider an information disclosure statement under 37 C.F.R. § 1.97(d).

If this statement crosses in the mail with an office action, or is otherwise not in the indicated category of 37 C.F.R. § 1.97, it is respectfully requested that this statement be treated in the next appropriate category and made of record. **To the extent required, please treat this paper as a conditional petition for acceptance of the information disclosure statement.**

## II

### Fees Due (**CHECK ONE BOX**):

- ☒ No fee is due.
- ☐ The fee specified in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under 37 C.F.R. § 1.97(c) or 37 C.F.R. § 1.97(d) is enclosed (\$180).

## III

### Certification (**CHECK ONE BOX**):

- ☒ No certification is necessary.
- ☐ Pursuant to 37 C.F.R. § 1.97(e)(1), the undersigned hereby certifies:  
That each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.
- ☐ Pursuant to 37 C.F.R. § 1.97(e)(2), the undersigned hereby certifies:  
No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this information disclosure statement.

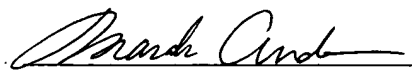
IV

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**Please charge any additional required fee or credit any overpayment to our deposit account number 50-1698.**

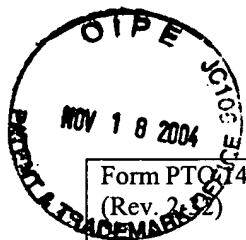
Respectfully submitted,  
THELEN REID & PRIEST LLP

Dated: November 15, 2004

  
Masako Ando

Limited Recognition Under 37 CFR §10.9(b)

THELEN REID & PRIEST LLP  
P.O. Box 640640  
San Jose, CA 95164-0640  
(408) 292-5800 direct dial  
(408) 287-8040 direct fax



Form PTO 1449 (Rev. 2-2002)				U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. 035967-000006		Serial No. 10/501,384	
<b>Information Disclosure Statement by Applicant</b>						Applicant: Dong Weon Yoon			
(Use several sheets if necessary)						Filed: July 13, 2004		Group: Unassigned	
<b>U.S. Patent Documents</b>									
Init.		Document No.	Date	Name	Class	Subclass	Filing Date		
	A	5,767,739	6/16/98	Witte	329	306	1/21/97		
	B	5,081,647	1/14/92	Bremer	375	5	1/6/89		
	C	5,151,925	9/29/92	Gelin et al.	375	82	1/22/89		
	D	5,812,604	9/22/98	Herbst et al.	375	308	7/16/96		
	E	5,692,013	11/25/97	Koslov et al.	375	277	11/7/95		
	F	5,966,412	10/12/99	Ramaswamy	375	341	1/30/97		
	G	5,381,450	1/10/95	Lane	375	94	8/20/93		
	H	5,659,574	8/19/97	Durrant et al.	375	206	6/7/95		
	I	5,495,510	2/27/96	Kimiaivi	375	371	1/4/94		
	J	5,832,043	11/3/98	Eory	375	344	4/3/95		
	K	6,125,148	9/26/00	Frodigh et al.	375	261	8/29/97		
	L	6,249,179	6/19/01	Maalej et al.	329	304	4/17/00		
	M	5,523,726	6/4/96	Kroeger et al.	332	103	10/13/94		
	N	5,444,415	8/22/95	Dent et al.	329	302	3/1/94		
<b>Foreign Documents</b>									
							Translation		
Init.		Document No.	Date	Country	Class	Subclass	Yes	No	
<b>Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)</b>									
	O	International Search Report, PCT/KR 03/00072, International filing date January 14, 2003, Search Report mailed April 30, 2003.							
Examiner					Date Considered				
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.									